

20010730.qrp v02_n266.qrl.20010730

Date: Mon, 30 Jul 2001 19:03:14 EDT

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 2266

QRP-L Digest 2266

Topics covered in this issue include:

- 1) [103754] Flight of the Bumblebees de AL7FS
by Jim Larsen AL7FS <AL7FS@pobox.alaska.net>
- 2) [103755] Re: Flight of the Bumblebees de AL7FS
by ARDUJENSKI@aol.com
- 3) [103756] Re: "Nearest Star"
by Phil Wheeler <w7ox@earthlink.net>
- 4) [103757] Bumblebee Hunting... :-)
by Todd Enders <enders@bolshoi.cc.misu.nodak.edu>
- 5) [103758] Re: "Nearest Star"
by "Rod Cerkoney, N0RC" <rod@n0rc.com>
- 6) [103759] Portable HF
by "Karl F. Larsen" <k5di@zianet.com>
- 7) [103760] Re: Oscillators
by "James R. Duffey" <jamesd1@flash.net>
- 8) [103761] Re: Portable HF
by Phil Wheeler <w7ox@earthlink.net>
- 9) [103762] Bzzz Bzzz Gurgle Gurgle
by "Michael C. Boatright" <ko4wx@mindspring.com>
- 10) [103763] Re: Flight of the Bumblebees de AL7FS
by N1EU <n1eu@yahoo.com>
- 11) [103764] FS Bencher paddles
by William K Penhallegon <w4stx@juno.com>
- 12) [103765] Fox: Cub Foxes This Tuesday 7/31 - N0IT and N0RC
by Dave Sjolin <sjolin@swbell.net>
- 13) [103766] FOBB de N1EU/BB
by N1EU <n1eu@yahoo.com>
- 14) [103767] Tuthill QRP Forum a Success
by "James R. Duffey" <jamesd1@flash.net>
- 15) [103768] Bumblees in New Hampshire
by Jim Cluett <w1pid@yahoo.com>
- 16) [103769] Re: Portable HF
by "N7SG K7FD" <k7fd@hotmail.com>
- 17) [103770] Prelim. Log Foxhunt #10 - N9AW
by "Jerry Scherkenbach" <jerrys@execpc.com>
- 18) [103771] Re: [qrparci] Southern Style QRP Camp-Out Menu for the Huntsville Hamfest
by "William K. Harding" <k4ahk@ix.netcom.com>

- 19) [103772] 6 Pack Beacon test
by "James R. Duffey" <jamesd1@flash.net>
- 20) [103773] 6 meter CW
by lhlousek <lhlousek@nvvbell.net>
- 21) [103774] HamScope 1.4 makes pretty CW music wirh PSK-80 Warbler
by "Bill, N4QA" <n4qa@hotmail.com>
- 22) [103775] BB'S: Back, Beat, But no Broken Bones...
by "ss lyon" <sslyon@megalink.net>
- 23) [103776] Re: HamScope 1.4 makes pretty CW music wirh PSK-80 Warbler
by "Bill, N4QA" <n4qa@hotmail.com>
- 24) [103777] RE: 6 meter CW
by Nick Kennedy <nkennedy@tcainternet.com>
- 25) [103778] Problems w/TT 1056
by Kenneth Hoglund <hoglund@wfu.edu>
- 26) [103779] Re: QRP certificates
by mugglesto@ecentral.com
- 27) [103780] Re: 6 meter CW
by KB7WW Art Moe <kb7ww@uswest.net>
- 28) [103781] W0CH Bumblebee Report
by "David Bixler" <qrp@netins.net>
- 29) [103782] FOX: N0RC as Cub Fox, Round 2
by "Rod Cerkoney, N0RC" <rod@n0rc.com>
- 30) [103783] K7GT/P now on 7.041MHz...
by "N7SG K7FD" <k7fd@hotmail.com>
- 31) [103784] BB/layer cake
by Dan Presley <talljazz@teleport.com>
- 32) [103785] Re: [qrparci] July 2001 QRP Quarterly Late--Editor Falls on His
Sword!
by "Joe Everhart" <n2cx@voicenet.com>
- 33) [103786] First contact W/Tick Keyer XE2/W0IS
by Wayne <aa5jj@swbell.net>
- 34) [103787] Fw: FS K1 0196--SOLD
by "Rod Cerkoney, N0RC" <rod@n0rc.com>
- 35) [103788] Re: Portable HF
by Michael C Boatright <ko4wx@mindspring.com>
- 36) [103789] BB Report from Austin, Texas
by Gary Hanson <hansongr@uts.cc.utexas.edu>
- 37) [103790] Re: [OT] Netpliance I-Opener pig in a poke?
by "Jay Taylor" <lists@hti-inc.com>
- 38) [103791] HF SSB QRP Contest
by Randy Foltz <rfoltz@turbonet.com>
- 39) [103792] Re: [qrparci] July 2001 QRP Quarterly Late--Editor Falls on His
Sword!
by "Francis Callahan" <colcal@srv.net>
- 40) [103793] Re: Why not fix it yerself? Well . . .
by "blinn" <blinn@smgazette.com>
- 41) [103794] K4FB/P ops this week
by Paul Womble <pwomble1@tampabay.rr.com>

- 42) [103795] Re: Interesting Contest Concept?
by Bill Coleman <aa4lr@arrl.net>
- 43) [103796] Are knots bad for antennas?
by Goran Hosinsky <hosinsky@jet.es>
- 44) [103797] Re: Are knots bad for antennas?
by "Mark J. Dulcey" <mark@buttery.org>
- 45) [103798] TenTec Jupiter
by "David Hurley, n2zhy" <n2zhy@amsat.org>
- 46) [103799] Switching Power Supply Noise Question ?
by "Michael Melland" <w9wis@charter.net>
- 47) [103800] Re: Switching Power Supply Noise Question ?
by Tayloe Dan-P26412 <Dan.Tayloe@motorola.com>
- 48) [103801] Re: Switching Power Supply Noise Question ?
by "Bob Tellefsen" <n6wg@earthlink.net>
- 49) [103802] Re: Switching Power Supply Noise Question ?
by lhlousek <lhlousek@nvcbell.net>
- 50) [103803] Re: Switching Power Supply Noise Question ?
by "Michael Melland" <w9wis@charter.net>
- 51) [103804] Ten-Tec vs. SWL
by "David & Jo Ann Lininger" <djlinin@positech.net>
- 52) [103805] Re: Switching Power Supply Noise Question ?
by Pete Burbank <plburbank@kih.net>

Date: Sun, 29 Jul 2001 15:06:15 -0800
From: Jim Larsen AL7FS <AL7FS@pobox.alaska.net>
To: "qrp-1@lehigh.edu" <qrp-1@lehigh.edu>
Subject: [103754] Flight of the Bumblebees de AL7FS
Message-ID: <3B6496E7.64F8F8F0@pobox.alaska.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Greetings from Alaska,

Conditions from Alaska were tough today. QSB took out several stations before I could even get half way through a contact. KQ6DV/BB was one notable QSB death. :-)

I only had time to operate a bit over an hour but did pull out 17 QSOs. S/P/Cs worked were BC, WA, OR, ID, MT, WY, CA, AZ, and IL. I still haven't figured out how N9MZZP snuck into Alaska but I was glad for the midwest contact. Seven of the Bees made the trip to Alaska.

Most of the stations on 20 meters were 229 or 339 with only one or two true 559 reports. N7LT was worked on 15 meters and had a nice signal.

Next up is my last try as the Fox on Thursday. See you then?

73, Jim

--

Jim Larsen, AL7FS, Anchorage, Alaska
(BP51cc) - 61.101 North, 149.824 West
mailto:al7fs@arrl.net - <http://www.qsl.net/al7fs/>

Date: Sun, 29 Jul 2001 19:26:41 EDT
From: ARDUJENSKI@aol.com
To: AL7FS@pobox.alaska.net, qrp-l@lehigh.edu
Subject: [103755] Re: Flight of the Bumblebees de AL7FS
Message-ID: <89.9f790d7.2895f5b1@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Jim

You were a true 579 most of the time into WA--nice job. Maybe the magnet I put at the base of the antenna drew the signals in better (smile) Alan KB7MBI

Date: Sun, 29 Jul 2001 16:41:01 -0700
From: Phil Wheeler <w7ox@earthlink.net>
To: georgekr5c@cablelynx.com, QRP List <qrp-l@lehigh.edu>
Subject: [103756] Re: "Nearest Star"
Message-ID: <3B649F0D.74A51E9D@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

This looks like what you want (retrieved from my "trash" folder):

Hi Group:

Those of you who, like I do, enjoy the posts to the list by Paul Harden, NA5N about Solar activity and how it relates to HF propagation, might enjoy reading a very good current book about our sun, called "Nearest Star," by Leon Golub and Jay M. Pasachoff. It's a nice layperson's explanation of the science of solar research and the physics of the sun. Published by Harvard University Press, Cambridge, MA. ISBN 0-674-00467-1.

73 de Ray
K2ULR
FN20t1

Date: Sun, 29 Jul 2001 18:51:07 -0500
From: Todd Enders <enders@bolshoi.cc.misu.nodak.edu>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [103757] Bumblebee Hunting... :-)
Message-ID: <200107292351.AA00308@bolshoi.cc.misu.nodak.edu>
Content-Type: text/plain
Mime-Version: 1.0 (NeXT Mail 4.2mach_patches v148.2)

Not a lot of contacts for 2:45 worth of work, but it was fun anyway. :-) Decidedly strange conditions on 20m, as guys in MN and WI were *real* loud. Propagation was one-way sometimes, as I chased WA9TZE up and down the band, but could never work him, even though he was 599+ here. Bizarre. Aside from hearing one guy in FL briefly, there was no propagation to the SE from this neck of the woods. E-W and N-S paths were OK, getting better as stations got closer.

Apologies to Seab and the AA1MY/BB crew. Tried to get you the contact info, but wasn't cutting it, and to add insult to injury, I had two stations pop up on top of you guys, so I couldn't tell if you'd ack'd me or not. Bummer.

Final tally was 13 contacts, 9 BBs, 11 SPCs. Got to cross three off the "wanted" list for QRPP WAS, which now stands at 43 worked. SPCs worked were: CA(2), CO, CT, ID, KS, MN(2), NE, PA, TX, WA, WI. Not terrible bad for 250 mW on the TX, working S&P.

Never did go up and check to see what 15m was doing. Only have 20m TX capability at present anyhow, but given how short 20 was, I have to wonder if 15 was doing anything or not. :-)

72/73,

Todd, AG0T

Date: Sun, 29 Jul 2001 17:56:52 -0600
From: "Rod Cerkoney, N0RC" <rod@n0rc.com>

To: <georgekr5c@cablelynx.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [103758] Re: "Nearest Star"
Message-ID: <005301c1188a\$2417fd70\$6401a8c0@c919125b>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Amazon.com has "The Nearest Star" for \$20.96.

http://www.amazon.com/exec/obidos/ASIN/0674004671/qid=996450983/sr=1-1/ref=sc_b_1/104-4467672-9170340

73, Rod N0RC
Ft Collins, CO

----- Original Message -----

From: "George Lee" <georgekr5c@cablelynx.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Sunday, July 29, 2001 3:15 PM
Subject: "Nearest Star"

> Someone sent a message mentioning a new book the "Nearest Star"
which I
> promptly deleted. Have been calling to get a copy and find no
stores in my
> area with one in stock. Would the submitter please send me direct
the
> information to be sure I'm looking for the correct book?
>
> Thanks for the BW.
>
> 72, George KR5C
>
>

Date: Sun, 29 Jul 2001 18:06:06 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: <qrp-1@lehigh.edu>
Subject: [103759] Portable HF
Message-ID: <Pine.LNX.4.33.0107291734410.2687-100000@localhost.localdomain>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

My buddy WF5A Karl bought a MP-1 vertical system that consists of a super well built coil that resembles a screw driver antenna coil but smaller in diameter and length that is tuned manually, with a coil that when added gets the vertical to 80 meters, and a small bottom mount tripod and some extender rods that can make the coil be near the center of the entire antenna.

The *REAL* secret of this antenna is the radial system. It consists of 4 each 10 foot sections of 3 wires each from ribbon cable like is used in computer cables.

This afternoon I went to Karl's home with the MFJ analyser and he had the unit set for 15 meters. The MFJ said the antenna at resonance has a resistive component of 35 ohms. We retuned for 40 meters at 7.290 MHz and found the antenna was far more narrow tuning and we had to set the coil with care to cover this one frequency with low swr. Again the resistive component was 35 ohms. We checked into the 4 PM New Mexico Net and were heard 300 miles away quite well running full 5 watts from the Yeseu 817 radio.

Karl's setup has the 4 radials drooping down from the bottom of the antenna that is about 4 feet above the ground on a small camera tripod. There is 3 feet of mast from the feedpoint to the bottom of the coil. The collapsible whip is fully extended above the top of the coil.

Measured the antenna at 40 meters with and without the 4 radials. The frequency of resonance changed a lot without the radials and the resistive component became 80 ohms. This proves the radials are the secret to proper performance of this, and any other 1/4 wavelength vertical antenna.

The MP-1 with all the accessories will cost about \$180.00 from Ham Radio Outlet (HRO) or you can get further info from Vern W6MMA at (530) 622-6668 or see his web page at WWW.superantennas.com for more details. The main value to the MP-1 is the coil which is just so well made it has to be seen to understand.

--

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

Date: Sun, 29 Jul 2001 18:05:25 -0600

From: "James R. Duffey" <jamesd1@flash.net>
To: <SUpton@allegromicro.com>, qrp-1 <qrp-1@lehigh.edu>
Subject: [103760] Re: Oscillators
Message-ID: <B78A00E5.C1C3%jamesd1@flash.net>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

Shawn - Those are soem good questions on oscillators!!

You are right, for most homebrew designs, the mechanical and thermal design of a VFO far outweigh the configuration or type of solid state device used.

A good rule of thumb is to use the lowest voltage that will sustain oscillation. This will keep currents low and power dissipation in the oscillator low, and hence thermal excursions low. This is good partitioning of functions in a multistage design; do the frequency generation in the oscillator stage and then amplify it up to the required strength in an amplifier stage. If the two stages are isolated electrically and thermally from each other, then good stability can result. There are some very low temperature coefficient Zeners that are ideal for VFOS, and the 3 terminal regulators are also suitable, but again they should be isolated thermally from the oscillator stage to prevent thermal drift.

A good design configuration of a VFO is an oscillator section followed by a source/emitter/cathode follower to provide electrical isolation followed by a class A amplifier which is thermally isolated from the oscillator. The buffer can be operated from the highest rail in the rig. The oscillator should have its own regulator which is thermally isolated from the oscillator section.

A 2N2222 ought to work fine.

A full wave rectifier can be used as a voltage doubler. Frequency stability will probably be better with Dan's recommended heterodyned VFO than with doubler/triplers, but there were lots of 80/40 and 40/20 rigs built in the past using doublers that worked FB.

I hope that this helps. Let us know how the oscillator turns out.

--

James R. Duffey KK6MC/5
30 Casa Loma Road
Cedar Crest, NM 87008

Date: Sun, 29 Jul 2001 17:10:14 -0700

From: Phil Wheeler <w7ox@earthlink.net>
To: k5di@zianet.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [103761] Re: Portable HF
Message-ID: <3B64A5E6.526EE4F4@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

"Karl F. Larsen" wrote:

>
> The *REAL* secret of this antenna is the radial system. It
> consists of 4 each 10 foot sections of 3 wires each from ribbon cable like
> is used in computer cables.
>

Some of us have found that performance can be improved by adding a set of longer radials. My added set is around 18 ft long, made from the same ribbon wire as the originals. Seemed to help a lot on 40 meters.

Phil W7OX

Date: Sun, 29 Jul 2001 20:15:05 -0400
From: "Michael C. Boatright" <ko4wx@mindspring.com>
To: North Georgia QRP Club <nogaqrp@qth.net>, qrp-1@Lehigh.EDU
Subject: [103762] Bzzz Bzzz Gurgle Gurgle
Message-ID: <5.0.2.1.2.20010729201112.021187f0@pop.mindspring.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Had a go on 15M today from Stone Mountain, Georgia. Plan was to operate from the top of the mountain at 780 feet above local terrain. NWS radio predicted a line of thunderstorms to reach western side of Atlanta by 1:30pm (EDT). Got to the top of the mountain at 1:07 and could see the storms off to the west, about 25 miles away, but already 15-20MPH winds on the top of the mountain. Pavilion would not provide enough shelter, so after a rest, it was back down the hill to the "half-way point" (about 2/3 way up the mountain) where I was QRV at 1:54pm. 15 was up and down, but then pretty solid after 3:00pm or so. NOUR was BOOMing into Georgia! But so were the storms.

First line hit about 2:30pm. Sorry for the crummy signal reports...you were fighting 30-40dB over S9 lightning crashes. Sun came out about 3:00.

Worked just about everybody I could hear, running my K1 at 1W into an MP1. Treats were VA7NT/BB, W6QC (WA), and Russ, AA4QU (OR)--two more states towards WAS QRP 1Watt. Also, always enjoy working Zach, W1VT. Thanks, Gents!

Heard the second line of storms moving in at 4:00pm. Figured I could hold out until 4:30, but pulled the plug after working Paul, VA7NT. Packed up and headed down the mountain. Made it about half-way before the sky opened up. The solid granite of Stone Mountain (purported to reach into 5 states) turned into a sluice-way. K1 and MP1 packed tightly and neatly and were safe from the rain (thank you Wayne Burdick for that new KBT1!), but I was drenched. The lightning was SPECTACULAR!

So, only made 18 QSO's, all on 15, but had another really enjoyable BB. See y'all next year!

Photos shortly at <http://www.qsl.net/ko4wx/bb2001>.

72 de Mike, K04WX

Date: Sun, 29 Jul 2001 17:29:55 -0700 (PDT)
From: N1EU <n1eu@yahoo.com>
To: qrp-1@lehigh.edu
Subject: [103763] Re: Flight of the Bumblebees de AL7FS
Message-ID: <20010730002955.74349.qmail@web14610.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Jim, just a FYI that I had fairly good copy on you from upstate eastern NY early in the contest. I knew I wouldn't make it through the pileup, but exciting to hear you nonetheless on the inverted V ;-)

73,
Barry N1EU

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<http://phonecard.yahoo.com/>

Date: Sun, 29 Jul 2001 20:33:17 -0400
From: William K Penhallegon <w4stx@juno.com>
To: qrp-1@Lehigh.EDU

Subject: [103764] FS Bencher paddles
Message-ID: <20010729.203332.-672641.2.w4stx@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Cleaning house.
FS - one Bencher iambic paddle and one single lever Bencher paddle.
Both with black bases.
\$100 for both includes shipping.

Bill Penhallegon W4STX
Clearwater, Florida

Date: Sun, 29 Jul 2001 19:31:20 -0500
From: Dave Sjolin <sjolin@swbell.net>
To: Qrp-l Reflector <qrp-l@Lehigh.EDU>
Subject: [103765] Fox: Cub Foxes This Tuesday 7/31 - N0IT and N0RC
Message-ID: <3B64AAD8.ABA99C38@swbell.net>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit

Hello again, it's time for another hunt. Mark your calendars and come out Tuesday night (Weds Zulu) and work me (N0IT) and my partner, Rod, N0RC.

Band was long last time we were up, so there are a lot of you out there that need these pelts. Give us a call and we will be happy to oblige. Even if you dont need them, stop by, it gets lonely after the first half hour.

TIME: 0200z - 0400z, 01-August-2001
2100 - 2300 CDT, 31-July-2001

I'll be somewhere around 14062. If for some reason that segment around 14062 is full, I will try to find another frequency nearby.

I'll be calling CQ FOX N0IT, and operating at 13 WPM. If there's a pile up please don't call on my TX frequency as a courtesy to others. I'll be listening +/- 1kHz or so from my TX FREQ. Mostly +/- 500 hz so dont stray too far from frequency. The exchange will be:

ME to YOU:

<YOUR CALL> DE N0IT 559 MO DAVE 5W <YOUR CALL> BK

YOU to ME:

N0IT DE <YOUR CALL> <RST> <SPC> <NAME> <YOUR PWR> <YOUR CALL> BK

I'll then QSL or ask for fills. If I need a fill I'll send:

RST? BK

SPC? BK

NAME? BK

-or-

PSE RPT?? (Reserved for when I blow it all)

Listen carefully. When I send TU, we're done, and I'll look for the next QSO by sending something like:

QRZ? FOX DE N0IT

My setup will be TS940S, into an R5 vertical mounted over my deck. No beam to swing!!<GRIN>

Dont miss it. Stop by and pick up a couple of pelts.

73 de Dave, N0IT

Date: Sun, 29 Jul 2001 17:36:05 -0700 (PDT)

From: N1EU <n1eu@yahoo.com>

To: qrp-l@lehigh.edu

Subject: [103766] FOBB de N1EU/BB

Message-ID: <20010730003605.12842.qmail@web14607.mail.yahoo.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

I hiked in and operated from the ridge of the Taconic Mountains, at the tristate border of New York, Mass. and Vermont. My best guess (duh) is that I was in New York, about 500m south of Vermont and 500m west of Mass. If anyone is interested, my approx. location can be seen as the red cross at <http://www.topozone.com/map.asp?z=18&n=4733178&e=641198>

This was my first FOBB and sure was alot of fun. I operated with a 50ft doublet fed with twin lead into a ZM2, and hung inv. V fashion up about 50ft. In retrospect, I wasn't really satisfied with the

antenna's performance and I'll try something different next time. Lots to learn, including knocking about 20lbs off my pack.

15M sure seemed under-utilized, and there was quite good east coast/west coast propagation. Signals weren't overly strong, but the noise floor was unbelievably low. Great ESP contacts, including GM3SKN/BB from across the pond giving me a call with ten minutes left in the contest (my report was 319, but it was solid copy!).

Condx on 20M seemed so-so with pretty deep QSB. I can't believe how many stations crammed into 14059-14060. Guess the strange propagation is partly responsible. Condx on 40M seemed good, although not much action there. I suspect 10M was also somewhat open, but everyone just seemed to swarm on 20M.

Thanks for all the contacts; thanks to ARS for a fun, unique contest and thanks to all the other bees who ventured out and put signals in the air from far afield.

Ended up with 16/45/15 q's on 40/20/15M respectively and 40 bees.

73,
Barry N1EU

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<http://phonecard.yahoo.com/>

Date: Sun, 29 Jul 2001 18:41:18 -0600
From: "James R. Duffey" <jamesd1@flash.net>
To: <qrp-l@lehigh.edu>
Subject: [103767] Tuthill QRP Forum a Success
Message-ID: <B78A028B.C1C3%jamesd1@flash.net>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

Well I just got back from Tuthill. The AZ group did a whiz bang job as usual. The QRP Campground was full of old QRP buddies and new friends.

The Junk Box wars started slowly, but I think must of had over 20 participants at the end. Due to a technicality, I won a special dishonorable mention at the end. A most unfortunate misunderstanding.

The Saturday evening Bar-B-Que was great, with the AZ SQRPIons supplying everything but the meat and beverage. You really have to taste Roger's beans. "He rode a balzing saddle..."

There is a breakfast on Saturday and Sunday for only \$3 which gets you a great meal and good company.

Many thanks to Bob, Bertie, Roger, Brian, Joanna, Jeff, Haley, Jamie, and I am sure others whom I have forgotten. See you all next year!! - Duffey

--

James R. Duffey KK6MC/5
30 Casa Loma Road
Cedar Crest, NM 87008

Date: Sun, 29 Jul 2001 17:44:59 -0700 (PDT)
From: Jim Cluett <w1pid@yahoo.com>
To: qrp-l@lehigh.edu
Subject: [103768] Bumblees in New Hampshire
Message-ID: <20010730004459.73898.qmail@web11602.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Perfect day in New Hampshire. Bumble Bee #44 W1PID was in Franconia, New Hampshire not far from the Hamm River... an appropriate setting. At the edge of a field with a perfect view of Mt. Lafayette. FT-817 with an inverted L random wire up about 30 feet with a ZM-2 and a counterpoise. Here's my log. Thanks to all.

TIME	FREQ	CALL	MY	HIS	EXCHANGE
1830	14	N7SR	579	579	MN 14
1840	14	K7TQ	559	559	ID 16
1848	14	W8PIG	339	549	OH 97
1855	21	N0UR	559	539	MN 5W
1858	21	N6WG	559	559	CA 24
1902	7	N05DL	579	579	NY 102
1912	21	W7QC	559	549	WA 5W
1917	21	N6MM	559	559	CA 5
1920	21	AA7QU	559	559	OR 97
1927	14	N0UR	559	579	MN 5W
1934	14	W9SUL	559	569	MN 22

1940	14	WA0RSE	559	559	MN	5W
1945	14	AD4MZ	559	559	NC	100
1947	14	N7XJ	449	559	UT	32
1954	7	N1EU	559	559	NY	67
1957	7	W3EEK	579	569	PA	5W
2000	7	VE3JC	559	559	ON	15
2010	21	WA7LNW	559	559	AZ	29
2011	21	VA7NT	559	559	BC	76
2017	14	W8DIZ	559	559	OH	8
2020	7	K2UD	579	579	NY	10
2025	7	N2CQ	559	579	NJ	74
2026	7	N3AO	599	599	PA	5W

-end-

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Date: Sun, 29 Jul 2001 17:56:21 -0700
From: "N7SG K7FD" <k7fd@hotmail.com>
To: k5di@zianet.com, qrp-l@Lehigh.EDU
Subject: [103769] Re: Portable HF
Message-ID: <F121PGtPrPrvCW06hm800008f53@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Since adding the IM-1 'inducti-match' from www.hamstick.com to my MP1 and PW-1 antennas, I've been able to get a 52 ohm match at the antenna...works great, especially on the lower frequencies...

73 John K7FD

>From: "Karl F. Larsen" <k5di@zianet.com>

>

> My buddy WF5A Karl bought a MP-1 vertical system...

>...this afternoon I went to Karl's home with the MFJ analyser and he
>had the unit set for 15 meters. The MFJ said the antenna at resonance >has
>a resistive component of 35 ohms. We retuned for 40 meters at >7.290 MHz
>and found the antenna was far more narrow tuning and we had >to set the
>coil with care to cover this one frequency with low swr. >Again the
>resistive component was 35 ohms.

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Date: Mon, 30 Jul 2001 00:59:04 -0500
From: "Jerry Scherkenbach" <jerrys@execpc.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Cc: "WA9TZE, Jim Akre" <jsakre@execpc.com>, "W9XU, Lon" <lon.richoz@med.ge.com>,
"NK9G, Rick" <rmcgaver@wi.rr.com>, "AJ9U, Bob" <brunnels@execpc.com>
Subject: [103770] Prelim. Log Foxhunt #10 - N9AW
Message-ID: <000501c118bc\$be651b60\$3749cfa9@Pjerrys>

Propagation for Foxhunt #10 from N9AW near Milwaukee was interesting. The hunt started out with nice loud signals allowing me to work about 34 stations in the first half hour. After the first half hour things really started to slow down. The last half hour produced only 6 QSOs. I was glad to work four European stations during the hunt. A few stations reported via the internet that they could not copy me here in the midwest. I hope we can make up for it on August 30 which is my next hunt and also the last hunt of the summer season. Thanks to all of you that stopped by.

72

Jerry N9AW

Time	Call	RST	State	Name	Power
0200	N1FN	559	CO	ET	5
0200	KE6RS	559	CA	RON	5
0201	W5USJ	559	TX	CHUCK	5
0202	K5YU	559	TX	HARV	5
0203	N5TW	559	TX	TOM	5
0203	VE6EX	559	AB	DAN	5
0204	W5YR	559	TX	GEORGE	5
0204	N1EU	559	NY	BARRY	5
0205	VE6JAZ	559	AB	BOB	5
0206	VA6RF	579	AB	EARL	5
0207	NK6A	559	CA	DON	5
0207	N6WG	559	CA	BOB	5
0208	K0FRP	579	CO	AL	5
0208	K4FB	559	FL	PAUL	5
0209	NQ7X	559	AZ	FLOYD	5
0209	AC5JH	559	OK	TOM	5
0209	W9XT	559	WI	GARY	5
0220	N5IB	559	LA	JIM	5
0211	K4MF	559	FL	GARY	5
0213	W4NJK	559	CA	CHARLIE	5
0214	N5YFC	559	LA	WAYNE	5
0215	W5XU	559	LA	DAVID	5
0216	K5DW	559	TX	DAN	5

0218	HA8IH	579	HA	TONY	5
0219	K5LN	559	TX	BILL	5
0220	K5AAR	559	OK	DON	5
0221	N1TP	559	CT	TOM	5
0221	K5JHP	559	TX	BILL	5
0222	NK0E	559	CO	DAVE	5
0222	N4ROA	559	VA	BILL	5
0224	WA7SPY	559	CA	GLENN	5
0225	W9UQB/7	559	AZ	MIKE	5
0227	KM5VY	559	NM	TOM	5
0228	NK9G	559	WI	RICK	5
0228	WA9TZE	559	WI	JIM	5
0228	NM5M	579	TX	ERIC	3
0230	K4BYF	559	FL	JACK	5
0230	AA7XU	599	OR	FRANK	5
0231	NN5E	559	TX	VERN	1
0232	AD6JV	559	CA	BILL	5
0233	K1VP	559	NH	ED	5
0236	KG4FSN	559	FL	JUAN	4
0238	W9XU	559	WI	LON	5
0242	AJ9U	559	WI	BOB	5
0245	KI0RB	559	CO	VINCE	5
0247	K5OI	559	NM	TIM	5
0248	N5JI	559	TX	RICH	5
0249	KI0II	559	CO	RON	5
0253	KK7GG	559	OR	MIKE	5
0256	VE5RC	599	SK	BRUCE	5
0259	N2WW	559	CO	LARRY	5
0302	K7FD	559	OR	JOHN	5
0304	WE9K	559	WI	GLENN	5
0306	KD7CTF	559	OR	LEE	5
0315	K5DI	559	NM	KARL	5
0322	AA7EQ	559	AZ	BOB	5
0326	NQ7T	559	WA	GARY	5
0328	OK1FQT	559	OK	KAREL	5
0329	K50EA	559	LA	CHARLES	5
0330	LZ2RS	579	LZ	RUMI	5
0331	OK1KVR	559	OK	JIRI	5
0335	W9RN	579	WI	NOLL	5
0341	UA1FJ	559	UA	YURI	5
0344	KC1FB	559	CT	JIM	3
0350	AC7CF	559	UT	ANDREW	3
0352	K0EVZ	339	ND	DOC	5
0354	AG0T	559	ND	TODD	5

Date: Sun, 29 Jul 2001 21:24:28 -0400
From: "William K. Harding" <k4ahk@ix.netcom.com>
To: "Craig W. Behrens" <craigwb@hiwaay.net>, NoGa QRP Club <nogaqrp@qth.net>, "QRP-L QRP-L" <qrp-l@lehigh.edu>
Cc: Brian Murrey <bmmurray@amexol.net>, w8diz@fpqrp.com],
"qrpARCI-LIST" <qrparki@listbot.com>
Subject: [103771] Re: [qrparki] Southern Style QRP Camp-Out Menu for the Huntsville Hamfest
Message-ID: <200107300122.VAA16539@tisch.mail.mindspring.net>
Mime-version: 1.0
Content-type: text/plain; charset="ISO-8859-1"
Content-transfer-encoding: quoted-printable

Gee, is there a person alive who would turn down Jack Daniels ribs for a hot

dog? ! ? Wish I could be there.

Bill - K4AHK

>From: "Craig W. Behrens" <craigwb@hiwaay.net>
>To: "NoGa QRP Club" <nogaqrp@qth.net>, "QRP-L QRP-L" <qrp-l@Lehigh.EDU>
>Cc: "Brian Murrey" <bmmurray@amexol.net>, <w8diz[mailto:w8diz@fpqrp.com]>, "qrpARCI-LIST" <qrparki@listbot.com>
>Subject: [qrparki] Southern Style QRP Camp-Out Menu for the Huntsville Hamfest
>Date: Sun, Jul 29, 2001, 11:54 AM
>

>QRP Amateur Radio Club Intl - <http://www.qrparki.org>

>

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><http://www.bcentral.com/listbot/ebay>

>-----

>

>For those still debating whether to brave the elements at the Huntsville
>Alabama Hamfest QRP Camp Out on Monte Sano, here's the planned menu to twist

>your arm a little:

>

>Huntsville Hamfest "Camp QRP" Menu

>(Featuring NM4T Chuck Wagon Chefs Greg Buchwald--K9QI & Craig Behrens--NM4= T)

>

>Friday, August 17th, 2001

>Since QRPers will be arriving at the Monte Sano State Park at different

>times=97we will have the following =93flexible dining=94 menu:

>

>Dinner:

>Corky=92s Barbeque, Pork or Beef Sandwiches

>Baked Beans

>Cole Slaw

>Potato Chips

>

>Dessert:

>Old Fashion Peach Cobbler with Creamy Vanilla Ice Cream

>

>Saturday, August 18th, 2001

>Our =93BIG=94 day starts by 7:00AM so we can start arriving at the Hamfest

>around 9AM. The QRP Forums started at 10:00AM.

>

>Breakfast:

>Hot Coffee, or Tea

>Banana or Blue Berry Pancakes

>Assorted Cereals and milk

>

>Lunch: Any way you can catch it at the Hamfest

>

>Dinner:

>Nasty Jack (Daniels) Barbeque Ribs

>(All Beef Hot Dogs for those not wanting Ribs)

>Potato Salad

>Green Beans

>Corn Bread

>

>Dessert:

>Authentic Southern, Flaming Bananas Foster

>

>Sunday, July 29, 2001

>Hamfest doors open at 9:00AM and the main drawing is around 2:00PM.

>Breakfast:

>Hot Coffee, or Tea

>Biscuit Run to Hardees=97make sure you get your order in!

>Assorted Cereals and milk (if any left from Saturday)

>

>NOTES:

>* We will have an =93Honor System=94 cash box on the NM4T Chuck Wagon at meal

>times for contributions towards the food. Present a fair offering or give

>what you can.

>* Mystery =93Brown Bag=94 QRP Team Challenge (with Prizes) Saturday Night.

>* Keep in mind that campers must check out of campgrounds by 11:00AM (unle=

ss

>I can cut a deal with the ranger).

>

>

>72/73 & DX,

>Craig W. Behrens--NM4T

>Madison, AL

>

>

>

>-----
>To unsubscribe, write to qrparci-unsubscribe@listbot.com

Date: Sun, 29 Jul 2001 19:24:38 -0600

From: "James R. Duffey" <jamesd1@flash.net>

To: <qrp-l@lehigh.edu>

Subject: [103772] 6 Pack Beacon test

Message-ID: <B78A1372.C1C5%jamesd1@flash.net>

Mime-version: 1.0

Content-type: text/plain; charset="US-ASCII"

Content-transfer-encoding: 7bit

This is a great idea.

Here are my suggestions:

0. Beacons must be powered by a "standard" power source. All of the suggestions given are fine. AA batteries will probably be the best balance between available power and time for the contest. Beacon format should be specified so that everybody has the same duty cycle.

1. Have two general categories, one for listeners, one for Beacon builders/operators.

2. A point is given for copying each beacon. The same beacon can be copied once per half hour.

3. Listener's score is the number of points.

4. Builder/Operators get points for listening, and also get a point for every time a listener copies their beacon. They also get points based on the the time difference between the first reported signal and the last reported signal. This encourages builders to copy other beacons and see how they are doing. No points for copying your own beacon..

Maybe this would be a good use for those PSK beacons that the NJQRP club put out? Do it on PSK?

Also, hold it on a holiday when everybody is home, but doesn't have family obligations, like New Years or some Monday holiday in February. The President's Day 6 Pack PSK Energizer Bunny Beacon Sweepstakes?

With only part of my tongue in my cheek. - Dr. Megacycle KK6MC/5

--

James R. Duffey KK6MC/5
30 Casa Loma Road
Cedar Crest, NM 87008

Date: Sun, 29 Jul 2001 15:51:42 -0700
From: lhlousek <lhlousek@nvgbell.net>
To: QRP-L list <qrp-l@Lehigh.EDU>
Subject: [103773] 6 meter CW
Message-ID: <014501c11881\$095e3020\$650dfea9@nvgbell.net>
MIME-version: 1.0
Content-type: text/plain; charset=Windows-1252
Content-transfer-encoding: 7BIT

I've recently started operating CW on 6 meters using my K2 and Tentec transverter. (The new K2 rev 2.0 firmware has some very nice transverter features). I checked out ARRL's 6 meter band plan and saw that there are no specific CW or QRP calling freqs are listed. Are there any official or unofficial recognized CW or QRP calling freqs for 6 meters? What would any of you 6 meter veterans recommend as far as listening and calling: freqs, time of day, day of the week, etc.?

Lou W7DZN

.

Date: Sun, 29 Jul 2001 22:02:35 -0400
From: "Bill, N4QA" <n4qa@hotmail.com>
To: qrp-l@Lehigh.EDU
Subject: [103774] HamScope 1.4 makes pretty CW music with PSK-80 Warbler
Message-ID: <F84HevjNrFM6e0CqL3W0000e7e5@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Hi, gang.

No, I'm not going to bug everybody with messages about every conceivable way to run CW on the Warbler, but...

First, thanks to Dave, AB5PC, for turning me on to HamScope 1.4 .

Please take a look at:

<http://www.ql.net/n4qa/warbler.html>

There you will find some simple instructions for running CW on the PSK-80 Warbler, using either DigiPan 1.6d or HamScope 1.4 .

A near-future, no-software-required method is also in the works.

73.

Bill, N4QA

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Date: Sun, 29 Jul 2001 22:08:40 -0400
From: "ss lyon" <sslyon@megalink.net>
To: "chat qrp" <qrp-l@lehigh.edu>
Subject: [103775] BB'S: Back, Beat, But no Broken Bones...
Message-ID: <004301c1189c\$8e6c1fa0\$5d8798ce@megalink.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Really great day of it... sunny, cool, even the flying bite-ers were kind to us. Approx 74 Q's despite really spotty propagation. Lazy-H and Eighty-Eight were worth the (considerable) effort, thanks to G3JTS, GM3SKN, DJ0PJ/FY, and a lots of left-coasters with booming signals. Of course Doc was blowing the doors off. QSB was particularly quick and deep.

Downside: Keyer problems and efforts to computer log abysmal failure. Must attempt to reconstruct log from scratch notes and computer log. That's for later. G'nite all and thanks for a great day

72 / 73,

"Seab" Lyon - AA1MY
Bethel, ME 04217 USA
FN44nj . aa1my@arrl.net

Date: Sun, 29 Jul 2001 22:10:29 -0400
From: "Bill, N4QA" <n4qa@hotmail.com>
To: qrp-1@Lehigh.EDU
Subject: [103776] Re: HamScope 1.4 makes pretty CW music wirh PSK-80 Warbler
Message-ID: <F70olkDTM9wGmAf0Mjk0000bcb8@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Oops...make that:

<http://www.qsl.net/n4qa/warbler.html>

73.
Bill, N4QA

Get your FREE download of MSN Explorer at <http://explorer.msn.com/intl.asp>

Date: Sun, 29 Jul 2001 21:14:23 -0500
From: Nick Kennedy <nkennedy@tcainternet.com>
To: "'lhlosek@nvbell.net'" <lhlosek@nvbell.net>, Low Power Amateur Radio
Discussion <qrp-1@Lehigh.EDU>
Subject: [103777] RE: 6 meter CW
Message-ID: <01C11873.71E19780.nkennedy@tcainternet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

I've only been on 6 a few months myself. There's CW activity up there. My
log shows mostly 50.096, 097 and 098. I was gonna say that 098 seems to be
about the favorite.

72--Nick, WA5BDU

-----Original Message-----
From: lhlosek [SMTP:lhlosek@nvbell.net]
Sent: Sunday, July 29, 2001 5:52 PM
To: Low Power Amateur Radio Discussion
Subject: 6 meter CW

<< File: ATT00007.txt; charset = Windows-1252 >>

Date: Sun, 29 Jul 2001 22:20:52 -0400
From: Kenneth Hoglund <hoglund@wfu.edu>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [103778] Problems w/TT 1056
Message-ID: <3B64C483.420EF132@wfu.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Gang--

Been raining and thundering around here since Weds, so rather than operating I've been snorting solder. Among the projects finished was a Ten-Tec 1056 configured for 40m, a kit I bought after several on the list highly recommended it as a nice partner for the TunaTin.

Kit went together well and passed all the preliminary and smoke tests and oscillator aligned like a charm--just can't seem to get much audio out of the thing, even with rf gain and af gain up full. Went over the board two or three times, reheated a few suspect solder joints, still no audio ooumph.

Any others have a similar issue? More to the point, how'd it get fixed? Or do I just added a power amp to the headphone line? I'll take advice on list or off, just want this little beauty working. I have plans for a Tuna Tin next to it in the same enclosure as a dandy "little" trail radio.

73 and soaking wet,

Ken KG4FGC

Date: Sun, 29 Jul 2001 20:11:27 -0600 (MDT)
From: muglesto@ecentral.com
To: "Hare,Ed, W1RFI" <w1rfi@arrl.org>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [103779] Re: QRP certificates
Message-ID: <Pine.LNX.4.10.10107292011070.3835-100000@mugleston.mugs.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

How about 24K gold around the edges?

Brad Mugleston, KI0OT
Aurora, Arapahoe Cty, Colorado
DM79oq 39.692500N 104.802600W
CQC #170, QRP-L #316, NorCal #2934

On Thu, 26 Jul 2001, Hare,Ed, W1RFI wrote:

> Hi, guys and gals,
>
> If one were designing a QRP certificate, what types of design features would
> be cool? Any suggestions? You can send to me or post here on the list.
>
> 73,
> Ed Hare, W1RFI
>

Date: Sun, 29 Jul 2001 20:26:23 -0700
From: KB7WW Art Moe <kb7ww@uswest.net>
To: lhlousek@nvhbell.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [103780] Re: 6 meter CW
Message-ID: <3B64D3DF.DF7A6D93@uswest.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Lou

You will find cw at times on .125 but most of the time .095 to .100 .
When the band is wide open .080 to .100

Will look for you. Where are you located??

Art
KB7WW

lhlousek wrote:

>
> I've recently started operating CW on 6 meters using my K2 and Tentec
> transverter. (The new K2 rev 2.0 firmware has some very nice

> transverter features). I checked out ARRL's 6 meter band plan and saw
> that there are no specific CW or QRP calling freqs are listed. Are
> there any official or unofficial recognized CW or QRP calling freqs for
> 6 meters? What would any of you 6 meter veterans recommend as far as
> listening and calling: freqs, time of day, day of the week, etc.?
>
> Lou W7DZN
>
> .

Date: Sun, 29 Jul 2001 22:58:21 -0500
From: "David Bixler" <qrp@netins.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [103781] W0CH Bumblebee Report
Message-ID: <DBEPKBJH00EAHCKKIHPFMENGCEAA.qrp@netins.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="us-ascii"
Content-Transfer-Encoding: 7bit

Hello gang:

Today sure was fun. Layne, WD0DDU and I headed for the hills
of McDonald County, Missouri and hiked back into the woods.

We had a 40 meter and a 20 meter station going, and you can
probably guess which station had the most activity! The weather
was hot and humid. All the thunderstorms passed through the
area Saturday, only to bother the bees further east today.

Looks like I had 52 QSO's on 20 meters and only 3 on 40 meters.
Worked 30 bees.

Pictures and a short report is on the web site, URL below.

Oh, by the way. If you are a county hunter and need a McDonald
County card, let me know. It is one of the lesser populated
places in Missouri. Has lots of ants and ticks however.

72,

Dave

David Bixler W0CH
Seneca, MO
Main Web Site: <http://www.qsl.net/w0ch>

Mirror Site: <http://showcase.netins.net/web/w0ch>

QRP: Little Radios, Big Fun!

Date: Sun, 29 Jul 2001 22:48:40 -0600
From: "Rod Cerkoney, N0RC" <rod@n0rc.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [103782] FOX: N0RC as Cub Fox, Round 2
Message-ID: <010c01c118b2\$e80324d0\$6401a8c0@c919125b>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Folks,

It's the "DOG DAZE OF SUMMER HUNT", and don't use the heat as a
excuse not to participate! Here in CO it's a dry heat. ;-)

OK Cub Fox-hunters catch me, and my partner Dave N0IT, if you can. ;-)

TIME: 0200z - 0400z, 01-Aug-2001
2000z - 2200MDT, 31-July-2001

I'll be somewhere between 14050 and 14056, (Don't QRM the fists at
14058). And don't QRM ARRL's 0200z code practice at 14047.50! I'll be
calling CQ FOX N0RC, and operating at 13WPM. If there's pile up please
don't call on my TX frequency as a courtesy to others, I'll be
listening UP abt one or so, it up to up to figure out where! ;-)
I will not be answering calls on my TX frequency until near the end
when the pile-up dies down.

BE FREQUENCY AGILE: The band has been long lately, I may have to move
to clear a DXer!

The exchange will be:

ME to YOU:

<YOUR CALL> DE N0RC 559 CO ROD 5W <YOUR CALL> BK

YOU to ME:

NØRC DE <YOUR CALL> <RST> <SPC> <NAME> <YOUR PWR> <YOUR CALL> BK

I'll then QSL or ask for fills. If I need a fill I'll send:

RST? BK
SPC? BK
-or-
NAME? BK

Listen carefully. When I QSL we're done, and I look for the next QSO by sending something like:

QRZ? FOX DE NØRC

My setup again will be K2 #286 @5W, into my trusty attic dipole that has served me well over the years.

NØRC's tips for successful fox hunting:

Don't be intimidated by 13 wpm, YOU CAN DO IT! My normal speed is 20-25wpm, but I go DX hunting 30+ wpm stations without fear. You can't get faster if you don't try, and practice. That's what FOX Hunts are all about.

The key--LISTEN. Listen to the exchanges for a while, catch the rhythm then jump in and have some fun.

S P R E A D O U T--you can't work stations if you can't hear them. If everybody calls over me (or themselves), repeatedly, nobody can hear, every body gets frustrated. I'll be wandering around UP about 1kHz listening for hounds. I want to give away as many pelts as possible--HEY IT'S been near 100 degrees here in Colorado (but it's a dry heat ;-).

The key here too is--LISTEN. If I'm working stations 0.5UP I won't hear you if you call on my TX FREQ.

Send your call once, maybe twice, after my CQ and/or QRZ? If I haven't called you by then, I'm probably already working someone else.

Again, LISTEN--you can't hear me if you are calling.

Hope this helps YOU catch ME the TUE (WEDz).

GL! AND HAVE FUN!!

73, Rod N0RC 'da fox'
Ft Collins, CO

Date: Sun, 29 Jul 2001 22:50:11 -0700
From: "N7SG K7FD" <k7fd@hotmail.com>
To: qrp-l@Lehigh.EDU
Subject: [103783] K7GT/P now on 7.041MHz...
Message-ID: <F717tXjs5FGJziWwSoR00008b26@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Allan, tent, bag, flashlight, K1, and loop now operating from Sequoia Park,
CA on 40 meters...0550Z

73 John K7FD

Get your FREE download of MSN Explorer at <http://explorer.msn.com/intl.asp>

Date: Sun, 29 Jul 2001 23:21:17 -0700
From: Dan Presley <talljazz@teleport.com>
To: qrp-l@LeHigh.EDU
Subject: [103784] BB/layer cake
Message-ID: <p05010400b78aac1a3fa9@[209.63.112.229]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii" ; format="flowed"

Had fun today up here in Oregon for the BB outing-hiked to a park in
Portland overlooking the city (facing west!). It was a 'layer cake'
of propagation-one minute I heard the east coast only, then next was
midwest/CO, then TX/NM/AZ, then CA! After 5 minutes, re-tune and do
it again. 20 was the only workable band here as 15 was way too
noisy.Setup was K2 and Gusher Vee w/DK9SQ mast. Just beat the rain by
an hour.

--
Dan Presley-N7CQR-Portland, Or QRP-L #502

Date: Sun, 29 Jul 2001 23:02:43 -0400
From: "Joe Everhart" <n2cx@voicenet.com>
To: "Craig W. Behrens" <craigwb@hiwaay.net>, "qrpARCI-LIST"
<qrparci@listbot.com>, "QRP-L QRP-L" <qrp-l@Lehigh.EDU>
Subject: [103785] Re: [qrparci] July 2001 QRP Quarterly Late--Editor Falls on His
Sword!
Message-ID: <000001c118df\$660ebca0\$275947d1@n2cxtoy>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Craig,

Thanks for the public announcement. It's always best to tell it like it is!

I'm sure that the qrp community will be understanding. You are doing the
best you can and that is certainly all we can ask of someone who had the
nerve to volunteer for a tough job like yours.

As Mike C. so eloquently pointed out No one *better* complain.

We focus instead on the mark of our intelligent (?) species - delayed
gratification. While we may miss the issue now, we know that we have
a delicious feast of qrp to look forward to.

72/73,

Joe E., N2CX

----- Original Message -----

From: Craig W. Behrens <craigwb@hiwaay.net>
To: qrpARCI-LIST <qrparci@listbot.com>; QRP-L QRP-L <qrp-l@Lehigh.EDU>
Sent: Sunday, July 29, 2001 11:46 AM
Subject: [qrparci] July 2001 QRP Quarterly Late--Editor Falls on His Sword!

> QRP Amateur Radio Club Intl - <http://www.qrparci.org>

>

> ----- ListBot Sponsor -----

> Sopranos fanatics, this one is for you. Tony Soprano's autographed
> Suburban is available for purchase on eBayTM. James Gandolfini has
> personally signed the vehicle. Find this and over 800 other Sopranos
> items for sale on eBay.

> <http://www.bcentral.com/listbot/ebay>

>

>

> I'm in Electronic Sales and I hate being late more than almost anything!
> It's not part of my personal culture.
>
> So, here I am...falling on my sword...apologizing for the July QRP
Quarterly
> being late (or at least late by my standards). I humbly apologize to all
our
> readers.
>
> It's at the printer and it finally hits the mail a week from Monday. Since
> snail mail is, well, snail mail. It will be the end of August before
> everyone receives their copy. This, to me is disgusting and adds to my
> displeasure. (Especially when we have to pay that humungous bill right up
> front--instantly.)
>
> I will say that it's another really great issue with some neat surprises.
I
> hope you enjoy it throughly, when it finally gets there, and that you find
> it well worth the wait.
>
> 72/73 & DX,
> Craig W. Behrens--NM4T (Embarrassed QQ Editor)
> Madison, AL
>
>
>
> -----
> To unsubscribe, write to qrparki-unsubscribe@listbot.com
>

Date: Mon, 30 Jul 2001 05:22:56 -0500
From: Wayne <aa5jj@swbell.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [103786] First contact W/Tick Keyer XE2/W0IS
Message-ID: <000b01c118e1\$99ba0da0\$d761fea9@Wayne>
MIME-version: 1.0
Content-type: text/plain; charset="iso-8859-1"
Content-transfer-encoding: 7bit

Hello all just made my first contact with my P-Tick Keyer was playing was calling CQ with it and didn't expect an answer and was also QRP and here comes an answer to the CQ it was XE2/W0IS Rick in Mexico he was transmitting from a hotel balcony, made my day thanks Rick.

Date: Mon, 30 Jul 2001 05:59:14 -0600
From: "Rod Cerkoney, N0RC" <rod@n0rc.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>, "Elecraft-list" <elecraft@qth.net>
Subject: [103787] Fw: FS K1 0196--SOLD
Message-ID: <007101c118ef\$0e012150\$6401a8c0@c919125b>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

The K1 has sold thanks all for your interest.

73, Rod N0RC
Ft Collins, CO

----- Original Message -----
From: "Rod Cerkoney, N0RC" <rod@n0rc.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>;
"Elecraft-list" <elecraft@qth.net>
Sent: Saturday, July 28, 2001 7:10 PM
Subject: FS K1 0196

> \$275 Shipped/Insured CONUS
>
> Basic K1 for 20/30m
>

Date: Mon, 30 Jul 2001 08:00:19 -0400
From: Michael C Boatright <ko4wx@mindspring.com>
To: qrp-1@Lehigh.EDU
Subject: [103788] Re: Portable HF
Message-ID: <3B654C53.911DC69E@mindspring.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I just touch it up with my K1's built-in tuner. Works like a champ. 18
Q's on 15 in yesterday's BB, running 1 Watt.

About 6 weeks ago, I worked ZL1ABB from my hotel in San Francisco, and 2 weeks ago I worked him from the boardwalk in Santa Monica. Perfect antenna for the ham that has to travel a lot.

72 de Mike, K04WX

--

Mike Boatright, K04WX
Assistant Section Manager for I/T,
GA Section, American Radio Relay League

Date: Mon, 30 Jul 2001 07:57:31 -0500
From: Gary Hanson <hansongr@uts.cc.utexas.edu>
To: qrp-l@lehigh.edu
Subject: [103789] BB Report from Austin, Texas
Message-ID: <3B6559BB.C05F93F4@uts.cc.utexas.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi guys,

I came in from the 100 degree heat after cleaning my garage for several hours and turned on my rig, tuned the 20 meter band and heard all this activity around 14.060. Yup, twas the Bumble Bee contest and I had forgotten about it. So, I only operated about 80 minutes, but I made 17 contacts, worked 13 bees and had a fantastic time.

I had lashed my two element wire mini-beam to two 10-foot sections of metal fence posts and attached it to one corner of the garage. I did some fancy manual rotation, but kept it pointed North or Northwest most of the time. Conditions were flaky and signals bounced up and down, but I worked everybody I could hear, most on the first call. After the first hour, I just wasn't hearing many new stations. States worked from Texas included AZ, CA, CO, ID, UT, WY, NM, MN, WI, and FL. I guess I started too late to pick up anything on the east coast and I couldn't get into the northwest either.

Thanks for a great contest. I should have come in out of the heat about two hours sooner :-)

Gary, KJ5VW

Date: Mon, 30 Jul 2001 09:23:50 -0500
From: "Jay Taylor" <lists@hti-inc.com>
To: qrp-1@Lehigh.EDU
Subject: [103790] Re: [OT] Netpliance I-Opener pig in a poke?
Message-ID: <200107300923500090.18D95289@mail.hti-inc.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="ISO-8859-1"
Content-Transfer-Encoding: quoted-printable

I've got two, just for hacking. One used, one NIB.

Nutshell: IBM PC with 200Mhz CPU, 16MB flash drive, 32MB Ram, 56K modem,=
USB port, QNX OS, Yamaha OPL3/SA2 sound, One SODIMM (what I like to call=
"laptop memory") slot.

can add hard drive with special cable. can use regular keyboard/mouse with=
cable splitter. Can run Windows 95/98.

Here are some good places to look for more info:

<http://fastolfe.net/misc/i-opener-faq.html>
<http://www.adamlotz.com/iopener.html>
<http://snoopy.net/mailman/listinfo/iopener>

<http://www.linux-hacker.net/>

<http://www.evernex.com/iopener/>
<http://www.expiredmilk.com/>
<http://pbzone.com/iopener.shtml>
<http://www.hardwarecentral.com/hardwarecentral/print/1612/>
<http://directory.google.com/Top/Computers/Hardware/Systems/I-Opener/>
<http://www.stti-usa.com/iOpener.htm>
<http://www.badflash.com/iopenerframe.html>

Jay

***** REPLY SEPARATOR *****

On 7/28/2001 at 6:23 PM Dave Benham wrote:

>I bought a terminal device at a garage sale today that I wonder if it has
>any use other than a door stop. It's called a Netpliance I-Opener and
>apparently was used for a webtv type internet hookup. It has a very nice
>flat screen color monitor with hardware inside, keyboard, power supply and
>dbus hookup and printer hookup in back. It looks like Earthlink bought=
the

>service out and once the service is terminated by a user, you can't get it
>back.
>
>I'm wondering if it can be used as a terminal for packet or as a flat
>screen
>monitor.
>
>Has anyone fooled around with one of these that can give me some advice?
>
>TIA
>Dave K8TRF

Date: Mon, 30 Jul 2001 07:45:19 -0700
From: Randy Foltz <rfoltz@turbonet.com>
To: qrpl_post <qrp-l@lehigh.edu>
Subject: [103791] HF SSB QRP Contest
Message-ID: <3B6572FF.55BE8125@turbonet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Now that the Flight of the Bumble Bees has past it is time for a bit of HF SSB QRP contesting. On Sunday August 5 the QRP ARCI Summer Daze SSB Sprint will be held. This short, 4 hour, event will give you a chance to contact other QRP (and QRO) ops and to increase your WAS count.

Note that the QRP ARCI definition of QRP is 10 w PEP for QRP SSB. If you are hunting for ARRL QRP WAS you may want to use their definition of QRP of 5 w PEP for your contacts.

Here is a summary of the contest.

Date/Time: August 5, 2001, 2000 to 2400 Z. HF SSB only.

Exchange: RS, State/Province/Country, ARCI member number or power if you are not a member.

QSO Points:

Member = 5 points

Non-member different continent = 4 points

Non-member same continent = 2 points

Multiplier:

SPC (State/Province/Country) total for all bands. The same station may be worked on more than one band for QSO points and SPC credit.

Power Mult:

0 to 500 mW PEP = x15
over 500 mW PEP to 2 W PEP = X10
over 2 W PEP to 10 W PEP = X7
over 10 W PEP = X1

Final Score:

QSO Points X Total SPC X Power Multiplier

Suggested Frequencies:

3865 kHz
7285 kHz
14285 kHz
21385 kHz
28385 kHz

How to submit your entry:

Entry includes a copy of logs and summary sheet. A summary sheet is available at
<http://personal.palouse.net/rfoltz/arci/arcisums.htm>

Include legible name, call, address, and ARCI number, if any.

Entry may be All-band, Single-, High-, or Low-Band.

Entry must be received within 30 days of contest date.

Highest power used will determine the power multiplier.

After the contest you may send your report by visiting
<http://personal.palouse.net/rfoltz/arci/form.htm>

Check the web page at
<http://personal.palouse.net/rfoltz/arci/highclm.htm> after Wednesday August 8, 9 pm PDT to see what others have said and claimed as their scores.

Snail mail entries go to
Randy Foltz
809 Leith St.
Moscow, ID 83843

E-mail entries to
rfoltz@turbonet.com

--

73,
Randy, K7TQ
QRP ARCI Contest Chairman

Date: Mon, 30 Jul 2001 10:17:31 -0600
From: "Francis Callahan" <colcal@srv.net>
To: <n2cx@voicenet.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [103792] Re: [qrparci] July 2001 QRP Quarterly Late--Editor Falls on His Sword!
Message-ID: <007e01c11913\$238b76a0\$1dd8070c@callahan>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Qrp mag is always worth waiting for. Thanks sto all who give so freely with thier time in order to put out one of the best mags on the market. It is right up there and maby even exceeds QST and CQ 72 Cal KF7ET misplaced Vermonter in Idaho

----- Original Message -----

From: "Joe Everhart" <n2cx@voicenet.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Sunday, July 29, 2001 9:02 PM
Subject: Re: [qrparci] July 2001 QRP Quarterly Late--Editor Falls on His Sword!

> Craig,
>
> Thanks for the public announcement. It's always best to tell it like it is!
>
> I'm sure that the qrp community will be understanding. You are doing the
> best you can and that is certainly all we can ask of someone who had the
> nerve to volunteer for a tough job like yours.
>
> As Mike C. so eloquently pointed out No one *better* complain.
>
> We focus instead on the mark of our intelligent (?) species - delayed

> gratification. While we may miss the issue now, we know that we have
> a delicious feast of qrp to look forward to.
>
> 72/73,
>
> Joe E., N2CX
>
> ----- Original Message -----
> From: Craig W. Behrens <craigwb@hiwaay.net>
> To: qrpARCI-LIST <qrparci@listbot.com>; QRP-L QRP-L <qrp-l@Lehigh.EDU>
> Sent: Sunday, July 29, 2001 11:46 AM
> Subject: [qrparci] July 2001 QRP Quarterly Late--Editor Falls on His Sword!
>
>
> > QRP Amateur Radio Club Intl - <http://www.qrparci.org>
> >
> > ----- ListBot Sponsor -----
> > Sopranos fanatics, this one is for you. Tony Soprano's autographed
> > Suburban is available for purchase on eBayTM. James Gandolfini has
> > personally signed the vehicle. Find this and over 800 other Sopranos
> > items for sale on eBay.
> > <http://www.bcentral.com/listbot/ebay>
> > -----
> >
> > I'm in Electronic Sales and I hate being late more than almost anything!
> > It's not part of my personal culture.
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> > So, here I am...falling on my sword...apologizing for the July QRP
> Quarterly
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Since
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> > hope you enjoy it throughly, when it finally gets there, and that you
find
> > it well worth the wait.
> >
> > 72/73 & DX,
> > Craig W. Behrens--NM4T (Embarrassed QQ Editor)

> > Madison, AL

> >

> >

> >

> > -----
> > To unsubscribe, write to qrparci-unsubscribe@listbot.com

> >

>

Date: Mon, 30 Jul 2001 09:15:10 -0700

From: "blinn" <blinn@smgazette.com>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [103793] Re: Why not fix it yerself? Well . . .

Message-ID: <000501c11912\$d01aaf40\$72b8e5d8@blinn>

MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Great stuff!!! I really enjoy your sense of humor, Nils... (There's so
much truth in it!) Keep it up.

Regards,

Bill - WA7TQK

--

Date: Mon, 30 Jul 2001 14:20:42 -0400

From: Paul Womble <pwomble1@tampabay.rr.com>

To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>, "'Flyin Piggies'"
<fpqrp-1@mpna.com>

Subject: [103794] K4FB/P ops this week

Message-ID: <3B65A57A.641920D5@tampabay.rr.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

I'll be operating portable from Sarasota (just south of Tampa) from
tonight through Wednesday night.

Home Thursday night for my 2nd round as the fox. Then back to the
Sarasota area again Friday afternoon through Sunday for a weekend at the

beach.

I'll be looking for qso's on 20m and perhaps 30 and 40. Depends on how much antenna I can put up.

Our beach rental is located on part of the West Florida IOTA group. If anyone collects islands...I'll be glad to get you a card.

Pics will be on the web site after the trip is over.
<http://www.qsl.net/k4fb>

73

Paul K4FB

Date: Mon, 30 Jul 2001 15:10:47 -0400
From: Bill Coleman <aa4lr@arrl.net>
To: <lejek@erols.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [103795] Re: Interesting Contest Concept?
Message-ID: <1010630151218.PAA11080@gate.iterated.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

On 7/27/01 7:50 PM, Larry Cahoon at lejek@erols.com wrote:

>How about a trial run in the NA QSO party next
>month? It could be a sort of piggyback contest. Not sure anyone could
>work out details that quick. So not to steal your idea that could just be
>a trial run for those interested. Say limit it to 10 AA batteries - you
>choice of type? That might be too restrictive - see what I mean can't work
>out the details that quick. I like QSO time SPC for scoring - use SPC per
>band - you choose the power for each QSO. That would make you think a bit
>about what power to go for each QSO.

This sounds like a great idea.

However, I'd like to point out that even after your last AA battery dies, you can still continue to operate the NAQP on another power source -- just only the N QSOs you made on the single set of AA batteries count for the AA challenge.

The NAQP is too much fun to force people off the air.

Bill Coleman, AA4LR, PP-ASEL

Mail: aa4lr@arrl.net

Quote: "Not within a thousand years will man ever fly!"
-- Wilbur Wright, 1901

Date: Mon, 30 Jul 2001 19:30:08 +0000
From: Goran Hosinsky <hosinsky@jet.es>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [103796] Are knots bad for antennas?
Message-ID: <3B65B5C0.6DC70294@jet.es>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

On wire antennas I often make bow-knots to connect supporting lines etc.

My portable antennas can have many knots as I split them up for use on different bands. Is this bad practice?

Instructions for ATU constructions and for lightning protection installations tell you to use slow bends, not angles. In an antenna I suppose that you can get kind of reflected wave from the knot, but that will be taken care of by the ATU at the end.

Do I loose radiated energy by having a string of bow-knots on my antenna wire? When running portable qrp one has to see to that each mW is used in the best way possible.

73
Goran ea8yu La Palma Island

Date: Mon, 30 Jul 2001 15:49:38 -0400
From: "Mark J. Dulcey" <mark@buttery.org>
To: hosinsky@jet.es
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [103797] Re: Are knots bad for antennas?
Message-ID: <3B65BA52.B54AAC48@buttery.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Goran Hosinsky wrote:

>

> On wire antennas I often make bow-knots to connect supporting lines etc.

>
> My portable antennas can have many knots as I split them up for use
> on different bands. Is this bad practice?
>
> Instructions for ATU constructions and for lightning protection
> installations tell you to use slow bends, not angles. In an antenna
> I suppose that you can get kind of reflected wave from the knot, but
> that will be taken care of by the ATU at the end.
>
> Do I loose radiated energy by having a string of bow-knots on my
> antenna wire? When running portable qrp one has to see to that
> each mW is used in the best way possible.

Knots may introduce a bit of inductance, and thus will change the tuning of the antenna. If you're working with bare antenna wire, the inductors will all be shorted out, so they're not likely to have much effect; if you're using insulated wire, the effect will be a bit larger. In any case, it's not likely to make enough difference to be noticeable, unless you're working with antenna designs where tuning is critical, such as multi-element parasitic arrays.

If you're knotting together separate wires, there might also be a small amount of resistance loss at the connection. It will be higher if the wire is tarnished, so keep those wires clean. If you make the connections well, it's not likely to be a big deal.

The reason for avoiding angles in lightning protection and ATU design is that power handling can be compromised by angles - you get arcs across the bend. It's not likely to be an issue in a QRP antenna.

Date: Mon, 30 Jul 2001 20:10:23 +0100
From: "David Hurley, n2zhy" <n2zhy@amsat.org>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [103798] TenTec Jupiter
Message-ID: <3B65B11F.329ED768@amsat.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Ok, the rig I'm lusting after today is the TenTec Jupiter. It looks neat! The reviews on eHam are positive. I know it doesn't hold a candle to the K2 for an infinite number of reasons and I agree with that. :)

I intend to use it strictly as a base unit(no portable operations) and no battery operations. I got other radios to use for portable operations.

So that said, what's the word on the Jupiter? Does anyone actually own one and love or hate it? Will it transmit on 60 meters with the download of a file? ;)

David Hurley,n2zhy
Princeton,NJ

Date: Mon, 30 Jul 2001 15:48:29 -0500
From: "Michael Melland" <w9wis@charter.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [103799] Switching Power Supply Noise Question ?
Message-ID: <001501c11938\$fd806e40\$5a838ad8@computer>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I know someone will have an answer to this here. While operating my new FT-817 this weekend I was having a ball on cw and ssb. However, I noticed a slow moving "band" of traveling noise..... say for example that I was listening to 7.040. The noise (sounds like hash) would gradually rise to peak of 10 over from normal, stay there a short time, and then start to lessen gradually until all was normal noise floor again. If I moved up freq I could again find and follow this "band" of noise as it slowly swept up the band. While this noise was most noticable on 40 meters I also noticed it on 20 and 15.

Today I did an experiment. I again found the noise on 40 meters moving across the band at 10 over at the peak.. I was using my Radio Shack 3amp switching supply (hmmmm, very suspect). If I quickly switched to battery power the noise went away..... switch quickly back to the switcher and there it was again moving across the bands.

Question:

Is it common for a switching supply to throw noise (hash) in a band like this that actually moves across the bands ? I thought switching noise would be across the whole band instead of a slowly moving narrow band of hash ? Any other ideas on what I might be hearing if it's not noise from the switching supply?

72

--

Michael Melland, W9WIS
Winneconne, Wisconsin USA EN54pc

qrp-1 #1656 - qrparci # 9875 - iparc #252
ars #1075 - <http://www.qsl.net/w9wis>

Date: Mon, 30 Jul 2001 14:47:08 -0700
From: Tayloe Dan-P26412 <Dan.Tayloe@motorola.com>
To: "'w9wis@charter.net'" <w9wis@charter.net>, "QRPL (E-mail)" <qrp-1@lehigh.edu>
Subject: [103800] Re: Switching Power Supply Noise Question ?
Message-ID: <1D74B9231259D511B1AA0002B32C2896150B17@az10exm06.sat.mot.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

>Is it common for a switching supply to throw noise (hash) in a band like
>this that actually moves across the bands ? I thought switching noise would
>be across the whole band instead of a slowly moving narrow band of hash ?
>Any other ideas on what I might be hearing if it's not noise from the
>switching supply?

Michael:

This does not surprise me. There are several different modes of operation for different types of switchers, but a very common mode is operation at a constant frequency, varying the on/off duty cycle so as to regulate the amount of magnetic energy being built up in the inductor, which in turn will be transformed to the required current at a different voltage.

In such a case, think of the supply as being a giant "marker generator". All the harmonics of this switching frequency ought to be readily apparent in your receiver. The fact that it drifts simply means that frequency stability was not an issue with that switcher.

Likewise since the load to the switcher during receiver out to be very constant, there should be no apparent modulation, and the harmonic should be a single steady tone, just like a cw carrier. The fact that it is wide simply means that the frequency source is very low Q, most likely an simple R/C oscillator.

I have seen that some switcher chips allow the exact switching frequency to be set by an external source. This is due to other commercial users having the exact same problem you are having with the switching harmonics. By driving the switcher with a known frequency, these harmonics can (hopefully) be shifted to someplace where they are not a problem.

Since many of the newer switchers operate at about 200-300 KHz, (although some are

as high as 1 MHz), it seems to me that with a 500 KHz+ wide ham band, switcher noise will likely always show up somewhere in that tuning range. Older switchers operate at a lower frequency and therefore created more problems.

- Dan Tayloe, N7VE; Phoenix, Az; Az ScQRPions

Date: Mon, 30 Jul 2001 15:31:27 -0700
From: "Bob Tellefsen" <n6wg@earthlink.net>
To: <qrp-1@Lehigh.EDU>
Subject: [103801] Re: Switching Power Supply Noise Question ?
Message-ID: <MABBJOEABOILMKCJCLFCGEIJCJAA.n6wg@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Michael

This problem with RS switcher supply, and others like it, is fairly common. Better quality switchers are filtered and may be shielded as well. Many of the inexpensive switchers we see hams using were originally intended for use in computers where the noise generated doesn't seem to be a problem.

There are switchers intended for ham use that are quiet by design.

For your RS switcher, you could experiment with some ferrite toroids. Wrap the ac cord through a toroid as many times as possible. You will probably need to remove and replace the plug to get the ac cord through the toroid. Do the wrap so the toroid is as close to the ps as possible, to minimize the length of exposed cord between the ps and the toroid.

Do the same with your dc + and - leads. Make a bifilar winding of them on another toroid as close to the output terminals as possible. Leave enough wire after the toroid so that the ps can be several feet away from your rig. This is to minimize direct coupling from the ps to the rig.

What you have to do with these steps is minimize the amount of exposed wiring that can radiate the generated hash. So far you haven't done anything to prevent the generation. I don't think there is much that can be done about that. It's part

of the basic design of the ps.

I went through two of the RS switchers and finally got my money back. Just couldn't get rid of the hash in my situation.

Good luck however you proceed.
73, Bob N6WG

Date: Mon, 30 Jul 2001 12:33:13 -0700
From: lhlousek <lhlousek@nvhbell.net>
To: w9wis@charter.net, Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [103802] Re: Switching Power Supply Noise Question ?
Message-ID: <00af01c1192e\$799ff280\$650dfea9@nvhbell.net>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

<<<Is it common for a switching supply to throw noise (hash) in a band like this that actually moves across the bands ? I thought switching noise would be across the whole band instead of a slowly moving narrow band of hash ?>>>

What you are hearing is exactly what I've heard from many switchers.... a slow moving band of hash. You will find it on other harmonics of the switcher's frequency and it moves because the VFO in the switcher isn't very stable Hi! You'll notice it worse on random wires and close in antennas than on doublets or beams located a distance away and connected via coax. I tried a few mods on switchers and managed to decrease the hash significantly but never totally.

That being said I have 3 switchers that I haven't heard any hash from (yet ;-). They are; a small, light weight, regulated 12V 1.25 amp wall wart from Jameco (great for the K1, SST etc. I've used it only on 20 and 40 meters so it may have hash on other bands), an Elpac 12V 3.5 Amp (available from All Electronics as surplus, very cheap and FB for a K2 but a little on the large side) and an Alinco DM330MV.

Lou W7DZN

Date: Mon, 30 Jul 2001 17:41:12 -0500

From: "Michael Melland" <w9wis@charter.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [103803] Re: Switching Power Supply Noise Question ?
Message-ID: <003101c11948\$bc8bc1e0\$5a838ad8@computer>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Guys,

Thanks everyone for the affirmation of my suspicions regarding the switching supply noise. It's a very interesting phenom I never realized that the hash could be so.... well, localized and move along like it does. I'm going to rig something up and take a look with my spectrum analyzer and see what it looks like.....

Thanks again..... this type of discussion is why this list really excels !!

72 de Mike

--
Michael Melland, W9WIS
Winneconne, Wisconsin USA EN54pc
qrp-l #1656 - qrparci # 9875 - iparc #252
ars #1075 - <http://www.qsl.net/w9wis>

Date: Mon, 30 Jul 2001 17:40:44 +0000
From: "David & Jo Ann Lininger" <djlinin@positech.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [103804] Ten-Tec vs. SWL
Message-ID: <200107302143.f6ULhPK16400@home.positech.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

Friends:

Have any of you personally built BOTH the Ten-Tec 1340 and the Small Wonder Labs 40 meter kit? If so, would you please email me off-list. I think I've narrowed down my choices to those two, and would like to place an order next week.

Thanks.

73

David, KBOZKE
kb0zke@arrl.net

Date: Mon, 30 Jul 2001 18:47:11 -0400
From: Pete Burbank <plburbank@kih.net>
To: w9wis@charter.net, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [103805] Re: Switching Power Supply Noise Question ?
Message-ID: <5.0.2.1.0.20010730183648.00a9cb80@KIH.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

>dio Shack 3amp
>switching supply (hmmmm, very suspect). If I quickly switched to battery
>power the noise went away..... switch quickly back to the switcher and
>there it was again moving across the bands.
>
>Question:
>
>Is it common for a switching supply to throw noise (hash) in a band like
>this that actually moves across the bands ? I thought switching noise would
>be across the whole band instead of a slowly moving narrow band of hash ?
>Any other ideas on what I might be hearing if it's not noise from the
>switching supply?
>
>72
>--
>Michael Melland, W9WIS
>Winneconne, Wisconsin USA EN54pc
>qrp-l #1656 - qrp-parci # 9875 - iparc #252
>ars #1075 - <http://www.qsl.net/w9wis>
>\Michael,
I would not even think about using a switcher PS on my Rx.
Anything that switches fast contains fast risetimes and that means lots of
frequencies. The crawling may be due to heat.
My suggestion would be to go to Wal mart and buy a husky battery.
Switchers work best in a landfill.:-)
73 Pete NV4V Kentucky

End of QRP-L Digest 2266
